

CLAIMS

1. A method for performing quantitative stress echo ultrasound comprising:
estimating and storing a tissue deformation value for a heart wall tissue segment of a patient over a cardiac interval during each of at least two stress periods, where a level of stress on the patient is different for each of said at least two stress periods; and
simultaneously displaying the estimated strain rates for each of said at least two stress periods as a function of time over the cardiac interval.
2. The method according to claim 1 wherein the cardiac interval corresponds to an R to R interval of the cardiac cycle.
3. The method according to claim 1 wherein the display of strain rates for at least one of said at least two stress periods is time scaled such that the length of the cardiac interval during each of said at least two stress periods appears to be equal in length.
4. The method according to claim 1 wherein the tissue deformation value is strain rate.
5. The method according to claim 1 wherein the tissue deformation value is strain accumulated over said cardiac interval.
6. The method according to claim 1 wherein the at least two stress periods comprises three stress periods.